

Front Cover: This is the 385 yd. 10th hole of the Town and Country Club course, St. Paul, Minn., one of the oldest courses in the U. S., golf having been played here for the first time in 1893, five years after club was founded. The USGA Womens' Championship will be played here Aug. 20-25.

Swinging Around Golf.....	3
Business School Plan is Need of Pro Golf.....	By Herb Graffis 21
Planning and Budgeting Maintenance Operation.....	By Crawford Rainwater 26
Public Golf in England Thrives on Adversity.....	By Verne Wickham 32
Pros Exchange Stocks to Reduce Inventories.....	34
Creeping Bent Fairways Need Rough Treatment.....	By O. J. Noer 37
Reservations Solve Tee Time Problems for Muny Course.....	By Jim Morrissey 40
Sales Charm at Saucon Valley.....	42
New Approach to Control of Crabgrass and Poa Annua.....	By Paul E. Weiss 44
University of Michigan Builds \$300,000 Clubhouse.....	By Bert Katzenmeyer 48
Integrated Display Moves Pro Shop Merchandise.....	By Rex McMorris 52
Good News About Trees for Golf Clubs.....	By Ralph B. Bryan 56
Outlines Golf's Place in Phys. Ed. Program.....	58
Pro Uses Local TV to Develop Interest in Golf.....	By Richard A. Garver 60
Book Reviews.....	62

CREEPING BENT FAIRWAYS

(Continued from page 37)

system to withstand the drying effect of the strong, continuous winds.

The bad areas were sprayed with sodium arsenite when knot weed was in the two to three-leaf seedling stage. Then they were aerified and cross-disc'd to prepare a seed bed. Light seeding with Colonial bent followed. By mid-June the turf was as good as ever before. New growth from surviving nodes on seemingly dead stems appeared to be responsible for more of the new growth than the seed.

The turf on all the fairways went through 1949 without any trouble. Most of the mat was gone, and root systems were more extensive and much deeper. The absence of any windburn injury despite another dry spring was attributed to the deeper roots as a result of soil cultivation by the aerifier.

The fairways were aerified in September, 1949. It is proposed to make this routine practice every fall, and in spring should an excessive mat develop anywhere. The turf was tight and deep rooted by late fall, 1949, so it was not necessary to aerify in the spring of 1950.

The procedure now being followed is to aerify, then follow with a drag mat to crumble the soil plugs and then mow. The aerifier starts along the outside on one

side of the fairway and circles back along the edge on the other side. The finish is down the center. The drag mat is used in a similar manner, but in the opposite direction to the aerifier. Soil plugs are allowed to dry slightly before being matted because experience shows they shatter better when a trifle drier, but they must not be allowed to become too dry. Two tractors are used, one for the aerifier and the other for the drag mat to save time and permit instant matting when the soil plugs shatter completely.

Some clubs use the rotary hoe to cultivate, and others cross-disc with an ordinary farm disc. A good drag mat can be made by attaching a section of wire fencing to a length of 2 x 4, or a piece of iron pipe.

Greenkeepers Change Date of National Tournament

National Golf Course Supts. Assn. has changed date of its annual golf tournament and field day to Sept. 10-11 at Purdue university, Lafayette, Ind., instead of Sept. 17-18. Change was made at suggestion of Purdue turf research men who advised more accommodations at Purdue Union would be available on Sept. 10-11.